| Index o | of Claims |
|---------|-----------|
|---------|-----------|

| Applica | tion/Co | ntrol No. |
|---------|---------|-----------|
|---------|---------|-----------|

10/777,732

Examiner

Monica M. Pyo

Applicant(s)/Patent under Reexamination

GILBERT ET AL.

Art Unit

2161

| 1 | Rejected |
|---|----------|
| = | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Г        |                |          |  | Date   | <u> </u>   |              |                 | $\neg$   | Cla      | aim      | 1               |   |          | Г             | ate          |                |          |          | $\neg$   | Ci        | aim        | Γ        |                | _        |
|--|----------|----------|----------------|----------|--|--|--|--------------|-----------------|----------|----------|----------|-----------------|---|----------|---------------|--------------|----------------|----------|----------|----------|-----------|------------|----------|----------------|----------|
| <u></u>  |          | $\vdash$ |                |          | _  |  | Ť  |              |                 | $\neg$   |          |          |                 |   |          | ī             |              |                | Т        | Т        | $\dashv$ | <u> </u>  | T          |          | П              | Г        |
| Final  | Original | 70/5/7   |                |          |  |  |  |              |                 |          | Final    | Original |                 |   |          |               |              |                |          |          |          | Final     | Original   |          |                |          |
|  | 1        | 1        | Н              | _        | Н  | <del>                                     </del> | ┢  |              | $\neg$          | $\neg$   | <u> </u> | 51       |                 |   | _        | $\vdash$      |              |                | 十        | 十        | _        | -         | 101        |          | П              | r        |
|  | 2        | 1        | П              |          |  |  |  |              |                 | $\dashv$ |          | 52       |                 |   |          | $\Box$        |              |                | ヿ        | $\dashv$ | ┪        |           | 102        |          |                | Γ        |
|  | 3        | V        |                |          |  |  | Г  |              |                 |          |          | 53       | П               |   |          |               |              |                |          |          | 7        |           | 103        |          |                | Г        |
|  | 4        | 1        |                |          |  | Г  |  |              |                 |          |          | 54       | П               |   |          |               |              |                | $\Box$   | _        |          |           | 104        |          |                | Γ        |
|  | 5        | 1        |                |          |  |  |  |              |                 |          |          | 55       | П               |   |          |               |              |                |          |          |          |           | 105        |          |                |          |
|  | 6        | 1        |                |          |  |  |  |              |                 |          |          | 56       |                 |   | ,        |               |              |                |          |          |          |           | 106        |          |                |          |
|  | 7        | 1        |                |          |  |  |  |              |                 |          |          | 57       |                 |   |          |               |              |                |          |          |          |           | 107        |          | Ш              | L        |
|  | 8        | ·        |                |          | L  |  |  |              |                 |          |          | 58       |                 |   |          |               |              |                |          |          |          |           | 108        |          | Ш              | L        |
|  | 9        | Ŀ        |                |          |  |  | <u> </u>   |              |                 |          | ļ        | 59       |                 |   |          |               |              |                |          | _        | _        | <u> </u>  | 109        |          |                | L        |
|  | 10       | Ŀ        | Ш              |          | <u> </u>   | _  | <u> </u>   |              |                 |          |          | 60       |                 |   |          |               |              |                |          | $\perp$  | _        | L         | 110        | _        | Ш              | L        |
|  | 11       | Ŀ        |                |          | <u> </u>   | <u>_</u>   | <u> </u>   |              | $\Box$          |          | <u> </u> | 61       |                 |   |          | _             |              |                | $\perp$  | 4        | _        | <u> </u>  | 111        | _        | L              | L        |
| <b></b>  | 12       | Ŀ        |                |          | _  | _  | _  |              | $\square$       |          |          | 62       |                 | _ |          |               | _            |                | _        | $\dashv$ | _        |           | 112        | _        | Ш              | L        |
|  | 13       | Ŀ        | $\vdash$       |          | <u> </u>   | _  | <u> </u>   | _            | $\sqcup$        |          | -        | 63       | $\vdash$        |   |          | $\dashv$      | _            |                | $\vdash$ | -        | _        |           | 113        | _        | $\vdash$       | L        |
| <b>—</b>   | 14       | -        | Н              |          | ⊢  | <u> </u>   | ├  | Н            | $\Box$          |          |          | 64       | $\vdash \vdash$ |   | Щ        | $\dashv$      |              | Ш              | _        | -        |          |           | 114        |          |                | H        |
| ļ  | 15       | 1        |                |          | -  | -  | ⊢  | _            | $\vdash$        |          |          | 65       | $\vdash \vdash$ | _ | $\vdash$ | $\dashv$      |              | _              | $\dashv$ | +        | _        |           | 115        | -        | $\vdash$       | H        |
|  | 16       | 1        | Ш              |          | _  | <u> </u>   | ┝  | Ш            | $\sqcup$        |          |          | 66       | Н               | _ | $\vdash$ | $\dashv$      |              | _              | -        | $\dashv$ | _        |           | 116        | _        | Н              | L        |
| <b>—</b>   | 17       | 1        | Н              |          | ⊢  | -  | ├  | H            | $\vdash$        |          |          | 67       | $\vdash$        |   |          | $\dashv$      |              |                |          | -        | $\dashv$ |           | 117<br>118 | $\vdash$ | Н              | H        |
|  | 18<br>19 | 1        |                |          |  | <b>-</b>   | ├-   | _            | $\dashv$        |          |          | 68       | $\vdash$        |   |          | $\dashv$      |              |                | _        | -        | -        |           |            | -        | Н              | H        |
| <u> </u>   | 20       | 1        | Н              |          | _  | -  | ╀  | -            |                 |          |          | 69<br>70 | $\vdash$        |   |          | $\dashv$      | _            | $\dashv$       | $\dashv$ | ┽        | _        |           | 119<br>120 | $\vdash$ | Н              | H        |
| <del>                                     </del> | 21       | ۲        | Н              | _        | ⊢  | ┝  | ├  | -            |                 | -        |          | 71       | $\vdash$        |   | -        | -             |              |                | -        | -        | -        |           | 121        | -        | Н              | H        |
|  | 22       | -        |                |          | -  | -  | ├-   | -            | $\vdash$        |          |          | 72       |                 |   |          | $\vdash$      |              |                | -        | +        | -        | -         | 122        |          | Н              | H        |
|  | 23       | ┢        | $\vdash$       |          | ├-   | -  | ├-   | -            | $\dashv$        |          |          | 73       | Н               |   | -        | -             | <del>-</del> |                |          | $\dashv$ | -        |           | 123        |          | Н              | H        |
|  | 24       | ┢        |                |          | $\vdash$   | $\vdash$   | ╌  |              | $\vdash$        |          |          | 74       | $\vdash$        | _ | $\vdash$ | $\dashv$      |              | -              | $\dashv$ | $\dashv$ | -        | -         | 124        | -        | $\vdash$       | H        |
|  | 25       | ┢        | $\vdash$       |          |  | ├-   | ├-   |              |                 |          |          | 75       | Н               |   |          | $\dashv$      |              |                | $\dashv$ | +        |          |           | 125        |          | $\vdash$       | H        |
|  | 26       | H        | $\vdash$       |          | ┢  | -  | $\vdash$   |              | $\dashv$        | _        | <b>—</b> | 76       | $\vdash$        |   |          | $\dashv$      | _            | $\vdash$       |          | +        |          | -         | 126        | -        | Н              | H        |
|  | 27       | $\vdash$ | Н              |          | ┢  | <del>                                     </del> | $\vdash$   | H            |                 | _        |          | 77       | Н               | - |          |               |              | -              | -        | -        | $\dashv$ |           | 127        |          | Н              | H        |
|  | 28       | ┢        | Н              |          | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | -            | $\dashv$        | _        |          | 78       | Н               |   | _        | $\dashv$      |              |                | -        | $\dashv$ |          |           | 128        | H        | Н              | r        |
|  | 29       |          | Н              |          | $\vdash$   | $\vdash$   | 一  |              |                 | _        | -        | 79       |                 |   |          |               |              |                | _        | $\dashv$ | _        |           | 129        | $\vdash$ | Н              | r        |
|  | 30       | ╁        |                | _        | ┪  |  | _  |              |                 | _        |          | 80       | П               |   | _        |               | _            |                | _        | _        |          |           | 130        | <u> </u> | П              | r        |
|  | 31       |          |                |          |  |  | ┢  |              |                 |          |          | 81       | П               |   |          |               |              |                |          | $\dashv$ |          | <b>——</b> | 131        |          | П              | r        |
|  | 32       |          |                |          |  |  |  |              |                 |          |          | 82       |                 |   |          |               |              |                |          |          |          |           | 132        |          | П              | Γ        |
|  | 33       |          |                |          |  |  |  |              |                 |          |          | 83       | П               |   |          |               |              |                |          |          |          |           | 133        |          |                | Γ        |
|  | 34       |          |                |          |  |  |  |              |                 |          |          | 84       |                 |   |          |               |              |                |          |          |          |           | 134        |          |                |          |
|  | 35       |          |                |          |  |  |  |              |                 |          |          | 85       |                 |   |          |               |              |                |          |          |          |           | 135        |          |                |          |
|  | 36       |          |                |          |  |  |  |              |                 | _]       |          | 86       |                 |   |          |               |              |                |          | $\Box$   |          |           | 136        |          |                | Ĺ        |
|  | 37       |          |                |          |  | L  |  |              |                 |          |          | 87       | Ш               |   |          |               |              |                |          |          | ╛        |           | 137        |          |                | L        |
|  | 38       |          | Ш              |          | <u> </u>   | _  | L  |              | oxdot           |          | <u> </u> | 88       | Ш               |   | لــــا   | Ш             |              |                |          |          |          | <u> </u>  | 138        |          | Ш              | L        |
|  | 39       | $\vdash$ | Ш              | $\Box$   | <u> </u>   | <u> </u>   | <u> </u>   | _            |                 |          |          | 89       | Ш               |   | Ш        | $\square$     |              |                |          |          |          |           | 139        |          | $\sqcup$       | L        |
|  | 40       | $\vdash$ | Ш              | Ц.       | <u> </u>   | L_   | <u> </u>   | _            |                 |          | <u> </u> | 90       | Ш               |   | Ш        | Ш             |              |                | $\Box$   | _        | _        | <u></u>   | 140        |          | Ш              | L        |
|  | 41       | _        | Ш              |          | <u> </u>   | <u> </u>   | <u> </u>   | _            |                 |          |          | 91       | Ш               |   | Ь        | Щ             |              | $\sqcup$       | $\sqcup$ | _        | _        | <u></u>   | 141        | _        | Ш              | L        |
| L  | 42       | _        |                | _        | <u> </u>   | <u> </u>   | _  |              |                 | _        |          | 92       | Ш               |   |          | Ш             |              | Щ              | $\Box$   | _        | 4        |           | 142        | <u> </u> | Ш              | L        |
|  | 43       | $\vdash$ | Ш              | _        | <u> </u>   | <b>—</b>   | <u> </u>   | $\sqcup$     | -               |          |          | 93       | Ш               |   |          |               |              | <u> </u>       | 1        | _        | 4        |           | 143        | <b> </b> | $\sqcup$       | L        |
| <u> </u>   | 44       |          | Щ              |          | ⊢  | ₩  |  | $\vdash$     |                 | _        |          | 94       | $\sqcup$        |   | Щ.       | $\sqcup$      |              | Ш              | $\sqcup$ | _        | 4        | <u> </u>  | 144        | $\vdash$ | Щ              | L        |
|  | 45       | <u> </u> | Ш              |          | <u> </u>   | <u> </u>   | <u> </u>   |              | $\sqcup$        |          | <u> </u> | 95       | $\vdash$        |   |          | Н             |              | $\vdash$       | $\dashv$ | +        | 4        | <u> </u>  | 145        | <u> </u> | $\vdash$       | L        |
|  | 46       | 1-       |                |          | $\vdash$   | $\vdash$   | ├-   |              | $\vdash$        | _        | <u> </u> | 96       | $\sqcup$        |   | Ь        | $\vdash$      | _            | $\vdash$       | $\dashv$ | _        | $\dashv$ | -         | 146        | <b>—</b> | $\vdash\vdash$ | H        |
|  | 47       | ⊢        | Н              | $\vdash$ | $\vdash$   | ├-   | ⊢  | -            | $\vdash$        |          |          | 97       | $\vdash$        |   | <u> </u> | $\vdash$      |              | $\vdash\vdash$ | $\dashv$ | +        | $\dashv$ | <u> </u>  | 147        |          | $\vdash\vdash$ | $\vdash$ |
| $\vdash$   | 48       | $\vdash$ | $\vdash\vdash$ | <u> </u> | $\vdash$   | -  | -  | -            | $\vdash \vdash$ | $\dashv$ |          | 98<br>99 | $\vdash$        |   | $\vdash$ | ${oxdot}$     | •            | $\vdash$       | $\dashv$ | +        | $\dashv$ | -         | 148<br>149 | $\vdash$ | Н              | H        |
|  | 49<br>50 | ├        | $\vdash$       | -        | $\vdash$   | <del> </del> —                                   | -  | <del> </del> | $\vdash$        | $\dashv$ |          | 100      | $\vdash$        |   | H        | <del>  </del> | -            |                | -        |          | $\dashv$ | -         | 150        | $\vdash$ | $\vdash$       | ┝        |
| L  | 1 00     |          |                |          | <u> </u>   |  | Ц.   | L            | L               |          |          | 100      | ш               |   | لــــا   | ш             |              | Щ.             |          | L        |          | Ь         | 1 100      |          | لـــا          | L        |

| Cla   | Date              |                |              |          |          |                |              |              |  |                 |  |
|-------|-------------------|----------------|--------------|----------|----------|----------------|--------------|--------------|--|-----------------|--|
| Final | Original          |                |              |          |          |                |              |              |  |                 |  |
|       | 101               |                |              |          |          |                |              |              |  |                 |  |
|       | 102               |                |              |          |          |                |              |              |  |                 |  |
|       | 103               |                |              |          |          |                |              |              |  | Ш               |  |
|       | 104               |                |              |          |          |                |              |              |  |                 |  |
|       | 105               |                |              |          |          |                |              |              |  |                 |  |
|       | 106               |                |              |          |          |                |              | -            |  |                 |  |
|       | 107               | _              | _            |          |          |                | _            |              | _  | $\neg$          |  |
|       | 108               |                |              |          |          |                | -            |              |  | $\dashv$        |  |
|       | 108<br>109        |                |              |          |          | _              |              |              | _  | $\neg$          |  |
|       | 110               | $\vdash$       |              | _        | -        |                |              | H            | -  | $\neg$          |  |
|       | 111               | _              |              |          | -        | _              |              | -            |  | $\vdash$        |  |
| —     | 112               | -              | -            | -        | $\vdash$ | Н              | $\vdash$     | $\vdash$     | _  | $\dashv$        |  |
|       | 113               | $\vdash$       | $\vdash$     | _        | -        | H              | $\vdash$     | -            | -  | $\dashv$        |  |
|       | 114               | -              | $\vdash$     | $\vdash$ | -        | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash \vdash$ |  |
|       | 115               | -              | -            | $\vdash$ | -        | -              | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash\vdash$  |  |
|       | 110               | <del>  -</del> | -            |          | -        | $\vdash$       | $\vdash$     | $\vdash$     | -  | $\dashv$        |  |
|       | 116<br>117        | $\vdash$       | -            |          | -        | <del> </del> — | ┝            | -            | -  |                 |  |
|       | 118               | <u> </u>       | H            |          | -        | <del> </del>   | ⊢            | -            |  | -               |  |
|       | 110               | -              | -            |          | _        | -              |              | -            | _  | $\dashv$        |  |
|       | 119<br>120        | ⊢              | H            |          |          | <del> </del>   | ⊢            | _            | -  | -               |  |
|       | 121               | _              | -            | _        | _        | -              | <u> </u>     | H            | -  | $\vdash$        |  |
|       | 121               |                | _            |          | _        | ┝              | ┝            | ⊢            |  |                 |  |
|       | 122               | _              | _            |          | _        |                | -            | $\vdash$     |  |                 |  |
|       | 122<br>123<br>124 | -              | <del> </del> | _        | _        | ⊢              | <del> </del> | <del> </del> |  | Н               |  |
|       | 124               | <del> </del>   | $\vdash$     | _        | -        | -              | $\vdash$     | $\vdash$     | -  | Н               |  |
|       | 125<br>126        | <del> </del>   | ├─           | $\vdash$ | -        |                | ⊢            | $\vdash$     | $\vdash$   | $\vdash$        |  |
|       | 127               | ┝              | -            | -        | -        | _              | $\vdash$     | $\vdash$     |  | $\vdash$        |  |
|       | 128               | H              | -            |          |          | -              | ┢            |              |  | $\dashv$        |  |
|       | 128<br>129        | _              | $\vdash$     | -        | -        | -              | $\vdash$     | $\vdash$     | $\vdash$   | -               |  |
|       | 130               | ┝              | ┝            | -        | -        | ┢              | ┢            | ┝            | <del>                                     </del> | $\vdash \vdash$ |  |
|       | 130<br>131        | $\vdash$       | H            |          | _        | -              | ⊢            | $\vdash$     | -  | -               |  |
|       | 132               | <del> </del>   | $\vdash$     | _        | -        | -              | $\vdash$     | $\vdash$     | <u> </u>   | $\vdash \vdash$ |  |
|       | 133               | ┢              | -            |          | $\vdash$ | $\vdash$       | ┢            | $\vdash$     | -  |                 |  |
|       | 134               | ┝─             | H            | _        | Ι        | -              | ┢            | $\vdash$     |  | -               |  |
|       | 135               | $\vdash$       | H            |          | _        | <del> </del>   | $\vdash$     | $\vdash$     | $\vdash$   |                 |  |
|       | 136               | $\vdash$       |              |          | _        | _              | -            | Т            |  | $\vdash$        |  |
|       | 136<br>137        | ┢              | $\vdash$     | -        | H        | $\vdash$       | ┢            |              | H  | $\vdash$        |  |
|       | 138               | $\vdash$       | $\vdash$     | _        | _        | _              | $\vdash$     |              | Н  |                 |  |
|       | 139               |                | H            |          | Н        | $\vdash$       |              |              |  |                 |  |
|       | 140               |                |              |          | _        | $\vdash$       |              |              | _  |                 |  |
|       | 141               |                | Г            |          |          |                |              |              |  |                 |  |
|       | 142               |                | Г            |          |          |                | •            | П            | Г  |                 |  |
|       | 143               |                |              |          | Г        | $\vdash$       |              |              |  |                 |  |
|       | 144               |                |              |          |          | <u> </u>       |              |              | Г  |                 |  |
|       | 145               |                |              |          |          |                | -            |              |  |                 |  |
|       | 146               |                |              |          |          | $\Box$         |              |              |  |                 |  |
|       | 147               |                | Γ            |          |          |                |              |              |  |                 |  |
|       | 148               |                |              |          |          |                |              |              |  |                 |  |
|       | 149               |                |              |          |          |                |              |              |  |                 |  |
|       | 150               |                | L            |          |          |                | L            | لـــا        | L  |                 |  |